

# Federal Energy and Water Management AWARDS 2014

Jeff Hernbloom collects water metering data at newly installed make-up water line meter at Kansas City Air Route Traffic Control Center cooling towers.



## Jeff Hernbloom U.S. Department of Transportation Federal Aviation Administration Kansas City Air Route Traffic Control Center Olathe, Kansas

In FY 2013 Jeff Hernbloom partnered with the local utility to implement and manage a new initiative, the Cooling Tower Evaporation Credit Program, which resulted in more than \$18,500 in savings in one year for the Kansas City Air Route Traffic Control Center. After investigating and discovering his facility was drastically overpaying for water treatment, Mr. Hernbloom convinced management to invest \$1,500 for a one-time purchase of metering equipment to measure the precise amount of water being expelled from the cooling towers into the sewer discharge system.

Previously, sewage charges were based on only the measured input water to the cooling towers.

After subtracting the thousands of gallons of water—70% or more of the supply—that evaporate monthly as part of the cooling process, utility charges are now drastically reduced and more accurate data is provided to personnel to better monitor and tune the operating efficiency of the equipment.

Additional benefits are realized from optimizing energy and chemical loads. Mr. Hernbloom has already started consulting with other facilities to implement the program throughout the Federal Aviation Administration, with savings of nearly \$400,000 in water utility costs expected annually across 25 Air Traffic Control Centers.